

**What is Claimed is:**

1. An improved rod winding apparatus, comprising:
  - a rack having two opposing round bars;
  - a chuck dock located on one end of the rack having a first seat which has two first coupling rings extended downwards from two sides thereof;
  - an adjustment dock mounted on the rack having a second seat on a lower side that has two second coupling rings formed on two sides thereof;
  - 10 a bracing dock mounted on the rack having two third coupling rings extended upwards from two sides thereof; and
  - a winding dock located on one side of the rack having an arched trough on the bottom of one side thereof;
- 15 wherein the mounting locations of the adjustment dock, the bracing dock and the winding dock are adjustable according to the length of rods.
2. The improved rod winding apparatus of claim 1, wherein the first coupling rings have respectively a first bore to receive the round bars
- 20 3. The improved rod winding apparatus of claim 1, wherein the second coupling rings have respectively a second bore to receive the round bars.
4. The improved rod winding apparatus of claim 1, wherein the third coupling rings have respectively a third bore to receive the round bars.

5. The improved rod winding apparatus of claim 1, wherein the arched trough mates the curvature of the round bar.